

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0004	Overall LMA Rating	Total LMA Miles						
Sacramento Maintenance Yard Maintenance Area 0004	A	3.47						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.22		0.22	6.33%	0.01			
Trim / Thin Trees	0.01		0.01	0.29%				
Encroachments	0.04		0.04	1.15%	0.24	0.05		
Animal Control	0.01		0.01	0.29%				
Slope Stability	0.03		0.03	0.86%				
Erosion / Bank Caving	0.01		0.01	0.29%				
Repair Gates	0.01		0.01	0.29%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.22	0.01		
<i>LMA Totals:</i>	0.33	0.00	0.33	9.50%	0.47	0.06	0.00	0.00

Unit No. 01 Sacramento River RB	Overall Unit Rating	Total Unit Miles						
MA0004	A	3.47						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.22		0.22	6.33%	0.01			
Trim / Thin Trees	0.01		0.01	0.29%				
Encroachments	0.04		0.04	1.15%	0.24	0.05		
Animal Control	0.01		0.01	0.29%				
Slope Stability	0.03		0.03	0.86%				
Erosion / Bank Caving	0.01		0.01	0.29%				
Repair Gates	0.01		0.01	0.29%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.22	0.01		
<i>Unit Totals:</i>	0.33	0.00	0.33	9.50%	0.47	0.06	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Fall 2019 Levee Inspection Results****Sacramento Maintenance Yard Maintenance Area 0004**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Sacramento Maintenance Yard Maintenance Area 0004

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	3.47
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/2/2019 - 4/2/2019		10/10/2019 - 10/10/2019	
DWR Inspector	Luz Dial		Luz Dial	
Accompanied By			Oleg Yakimov DWR	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_MA0004_01_s_2013_9				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has copies of their O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_MA0004_01_s_2013_10				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_MA0004_01_s_2013_11				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has a written flood response plan and flood response training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

Photo 1 of 1 : FA_2019_MA0004_298_16_20190904_00009.jpg



View of the slope stability on the waterward side of the levee looking downstream. Spring 2016.

No Photos

Photo 1 of 1 : FA_2019_MA0004_298_36_20191021_00043.jpg



View of debris and bbq grill on the waterside toe road. Fall 2019

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	0.21	Rating **	A/W	Issue No.	7
LM End	0.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.596840 °	38.596947 °
				-121.543848 °	-121.543727 °
DWR ID	DWR_MA0004_01_s_2019_7				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor footpath and erosion on the waterside berm.					

Photo 1 of 1 : FA_2019_MA0004_298_7_20190904_00002.jpg



View looking north at footpath and erosion rills. Spring 2019

LM Start	0.24	Rating **	U	Issue No.	2
LM End	0.24	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.597193 °	38.597193 °
				-121.543421 °	-121.543421 °
DWR ID	DWR_MA0004_01_s_2012_2				
Comment Code					
FE : Fence					
Inspector Comment					
This is the USACE yard, and the chain link fence crosses the levee. The fence runs the length of the yard on the crown.					

Photo 1 of 1 : FA_2019_MA0004_298_2_20190904_00001.jpg



View of the fence blocking access on the crown of the levee looking downstream. Fall 2015.

LM Start	0.24	Rating **	A/W	Issue No.	35
LM End	0.41	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.597223 °	38.598618 °
				-121.543373 °	-121.540937 °
DWR ID	DWR_MA0004_01_f_2019_35				
Comment Code					
V6 : Landscaping					
Inspector Comment					
This section runs through USACE's gated property.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	0.25	Rating **	M	Issue No.	46	
LM End	0.25	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.597277 °	38.597277 °	
				-121.543264 °	-121.543264 °	
DWR ID	25546					
Comment Code						
Inspector Comment						
DS_ID:25546						
FS_ID:54261						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/07/2018 Sediment clearing at pipe inlet is required. Pipe outlet is not visible on WS. O&M legacy system pipe. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 19.0 feel below levee crown. [Additional Reference(s): USACE Sacramento O&M Manual 116, August 1955, Dwg No. 50-4-4179, page 9 of 19].						
FS Date: 9/7/2018						

Photo 1 of 3 : UCIP_FA_2019_54261_80009.jpg



Levee crown near crossing

LM Start	0.25	Rating **	M	Issue No.	46 (cont)
LM End	0.25	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54261_80011.jpg



Covered concrete box at LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	0.25	Rating **	M	Issue No.	46 (cont)	
LM End	0.25	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.597277°	38.597277°	
				-121.543264°	-121.543264°	
DWR ID	25546					
Comment Code						
Inspector Comment						
DS_ID:25546 FS_ID:54261 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/07/2018 Sediment clearing at pipe inlet is required. Pipe outlet is not visible on WS. O&M legacy system pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 19.0 feel below levee crown. [Additional Reference(s): USACE Sacramento O&M Manual 116, August 1955, Dwg No. 50-4-4179, page 9 of 19]. FS Date: 9/7/2018						

Photo 3 of 3 : UCIP_FA_2019_54261_80012.jpg



Pipe inlet concrete box is covered with metal sheeting

LM Start	0.32	Rating **	M	Issue No.	47
LM End	0.32	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.597915 °	38.597915 °
				-121.542264 °	-121.542264 °
DWR ID	25545				
Comment Code					
Inspector Comment					
DS_ID:25545					
FS_ID:54262					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 09/07/2018 Pipe not visible at WS slope. O&M legacy system pipe. (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 23.3 feel below levee crown. [Additional					
Reference(s): USACE Sacramento O&M Manual 116, August 1955, Dwg No. 50-4-4179, page 9 of 19].					
FS Date: 9/7/2018					

Photo 1 of 3 : UCIP_FA_2019_54262_80017.jpg



Drainage pit at LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	0.32	Rating **	M	Issue No.	47 (cont)
LM End	0.32	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.597915°	38.597915°	
			-121.542264°	-121.542264°	
DWR ID	25545				

Comment Code

Inspector Comment

DS_ID:25545
FS_ID:54262
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 09/07/2018 Pipe not visible at WS slope. O&M legacy system pipe. (O.Yakimov - DWR UCIP)
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 23.3 feet below levee crown. [Additional Reference(s): USACE Sacramento O&M Manual 116, August 1955, Dwg No. 50-4-4179, page 9 of 19].
FS Date: 9/7/2018

LM Start	0.32	Rating **	M	Issue No.	47 (cont)
LM End	0.32	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_54262_80018.jpg



Structures at LS toe where drainage pit is located

Photo 3 of 3 : UCIP_FA_2019_54262_80019.jpg



Levee crown at crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

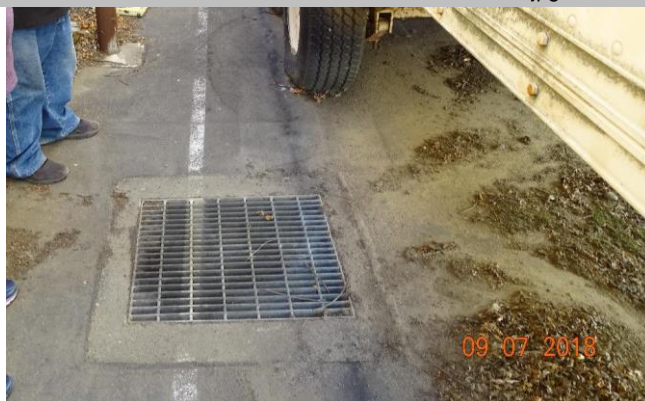
Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	0.38	Rating **	M	Issue No.	48
LM End	0.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.598480 °	38.598480 °
				-121.541376 °	-121.541376 °
DWR ID	25547				
Comment Code					
Inspector Comment					
DS_ID:25547					
FS_ID:54255					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 09/07/2018 Estimated to be 6-inch HDPE drainage pipe inside of drainage box on landside closer to levee toe. Unable to find permit for crossing modification to install HDPE pipe. (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 6-inch high-density polyethylene (HDPE) drainage pipe through the levee, unknown depth below levee crown. First drainage pit with grid is located in the middle of paved road, second is between 2 trailers toward levee toe inline with the first one.					
FS Date: 9/7/2018					

LM Start	0.38	Rating **	M	Issue No.	48 (cont)
LM End	0.38	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54255_80007.jpg



Grided drainage pit between trailers on LS

Photo 2 of 3 : UCIP_FA_2019_54255_80005.jpg



View of levee crown at crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	0.38	Rating **	M	Issue No.	48 (cont)	
LM End	0.38	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.598480 °	38.598480 °	
				-121.541376 °	-121.541376 °	
DWR ID	25547					
Comment Code						
Inspector Comment						
DS_ID:25547						
FS_ID:54255						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/07/2018 Estimated to be 6-inch HDPE drainage pipe inside of drainage box on landside closer to levee toe. Unable to find permit for crossing modification to install HDPE pipe. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 6-inch high-density polyethylene (HDPE) drainage pipe through the levee, unknown depth below levee crown. First drainage pit with grid is located in the middle of paved road, second is between 2 trailers toward levee toe inline with the first one.						
FS Date: 9/7/2018						

Photo 3 of 3 : UCIP_FA_2019_54255_80006.jpg



View of landside looking from levee crown

LM Start	0.41	Rating **	A/W	Issue No.	34
LM End	0.75	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.598618 °	38.601285 °
				-121.540937 °	-121.536268 °
DWR ID	DWR_MA0004_01_f_2019_34				
Comment Code					
V6 : Landscaping					
Inspector Comment					
This section runs through DWR's gated Sacramento Maintenance Yard.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	0.41	Rating **	M	Issue No.	49	
LM End	0.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.598742 °		38.598742 °
				-121.541014 °		-121.541014 °
DWR ID	25549					
Comment Code						
Inspector Comment						
DS_ID:25549 FS_ID:55302 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/10/2019 According to FMO staff this pipe was disconnected from Sac Yard storm drainage system and grouted in place. (O.Yakimov - DWR UCIP)09/07/2018 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 6-inch corrugated metal drainage pipe through the levee, 15.5 feel below levee crown. [Additional Reference(s): USACE Sacramento O&M Manual 116, August 1955, (Station 53+12), Dwg No. 50-4-4179, page 9 of 19]. FS Date: 10/10/2019 8:27:43 AM						

No Photos

LM Start	0.41	Rating **	U	Issue No.	15
LM End	0.41	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.598661 °	38.598661 °
				-121.540895 °	-121.540895 °
DWR ID	DWR_MA0004_01_f_2016_15				
Comment Code					
BU : Building					
Inspector Comment					
A chain link fence for the USACE facility crosses the levee.					

Photo 1 of 1 : FA_2019_MA0004_298_15_20190904_00008.jpg



View of fence crossing the crown on NE side of USACE facility. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	0.43	Rating **	M	Issue No.	50	
LM End	0.43	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.598925 °	38.598925 °	
				-121.540727 °	-121.540727 °	
DWR ID	25544					
Comment Code						
Inspector Comment						
DS_ID:25544 FS_ID:55303 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2019 According to FMO staff this pipe was disconnected from Sac Yard storm drainage system and grouted in place. Waiting for permit and as-builts that document pipe abandonment. (O.Yakimov - DWR UCIP)09/07/2018 Steel pipe at the bottom of drainage box is visible. Large reconstruction project is going on the property. Contact Brian Murphy with FMO after work is completed to request as-builts. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel drainage pipe through the levee, 12.1 feel below levee crown. [Additional Reference(s): USACE Sacramento O&M Manual 116, August 1955, (Station 53+72), Dwg No. 50-4-4179, page 9 of 19]. FS Date: 10/10/2019 8:51:06 AM						

LM Start	0.43	Rating **	M	Issue No.	50 (cont)
LM End	0.43	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_55303_81540.jpg



8-inch steel pipe at the bottom of drainage box on LS goes towards levee

Photo 2 of 3 : UCIP_FA_2019_55303_81512.jpg



View of drainage box on levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	0.43	Rating **	M	Issue No.	50 (cont)	
LM End	0.43	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.598925 °	38.598925 °	
				-121.540727 °	-121.540727 °	
DWR ID	25544					
Comment Code						
Inspector Comment						
DS_ID:25544 FS_ID:55303 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2019 According to FMO staff this pipe was disconnected from Sac Yard storm drainage system and grouted in place. Waiting for permit and as-builts that document pipe abandonment. (O.Yakimov - DWR UCIP)09/07/2018 Steel pipe at the bottom of drainage box is visible. Large reconstruction project is going on the property. Contact Brian Murphy with FMO after work is completed to request as-builts. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel drainage pipe through the levee, 12.1 feel below levee crown. [Additional Reference(s): USACE Sacramento O&M Manual 116, August 1955, (Station 53+72), Dwg No. 50-4-4179, page 9 of 19]. FS Date: 10/10/2019 8:51:06 AM						

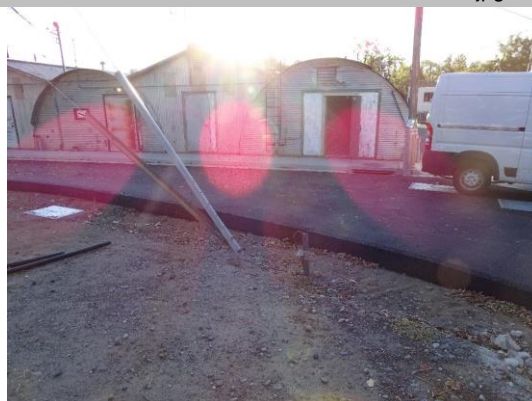
Photo 3 of 3 : UCIP_FA_2019_55303_81539.jpg



Drainage box on levee crown

LM Start	0.46	Rating **	M	Issue No.	51	
LM End	0.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.599205 °	38.599205 °	
				-121.540303 °	-121.540303 °	
DWR ID	25552					
Comment Code						
Inspector Comment						
DS_ID:25552						
FS_ID:55304						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 10/10/2019 According to FMO staff this pipe was disconnected from Sac Yard storm drainage system and grouted in place. (O.Yakimov - DWR UCIP)09/07/2018 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 9-inch steel drainage pipe through the levee, 17.0 feel below levee crown. [Additional Reference(s): USACE Sacramento O&M Manual 116, August 1955, Dwg No. 50-4-4179, page 9 of 19].						
FS Date: 10/10/2019 9:03:15 AM						

Photo 1 of 3 : UCIP_FA_2019_55304_81541.jpg



View of levee crown at potential crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	0.46	Rating **	M	Issue No.	51 (cont)	
LM End	0.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.599205 °	38.599205 °	
				-121.540303 °	-121.540303 °	
DWR ID	25552					
Comment Code						
Inspector Comment						
DS_ID:25552						
FS_ID:55304						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 10/10/2019 According to FMO staff this pipe was disconnected from Sac Yard storm drainage system and grouted in place. (O.Yakimov - DWR UCIP)09/07/2018 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 9-inch steel drainage pipe through the levee, 17.0 feel below levee crown. [Additional Reference(s): USACE Sacramento O&M Manual 116, August 1955, Dwg No. 50-4-4179, page 9 of 19].						
FS Date: 10/10/2019 9:03:15 AM						

Photo 2 of 3 : UCIP_FA_2019_55304_83345.jpg



View of levee crown at the crossing

LM Start	0.46	Rating **	M	Issue No.	51 (cont)
LM End	0.46	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_55304_83346.jpg



View of WS levee slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	0.48	Rating **	M	Issue No.	52
LM End	0.48	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.599396 °	38.599396 °
				-121.540026 °	-121.540026 °
DWR ID	25550				
Comment Code					
Inspector Comment					
DS_ID:25550					
FS_ID:55305					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: 10/10/2019 According to FMO staff this pipe was disconnected from Sac Yard storm drainage system and grouted in place. (O.Yakimov - DWR UCIP)09/07/2018 Crossing not found (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 6-inch vitrified clay drainage pipe through the levee, 16.1 feel below levee crown. [Additional Reference(s): USACE Sacramento O&M Manual 116, August 1955), Dwg No. 50-4-4179, page 9 of 19].					
FS Date: 10/10/2019 9:04:32 AM					

LM Start	0.48	Rating **	M	Issue No.	52 (cont)
LM End	0.48	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_55305_80008.jpg



Top of levee at crossing

Photo 2 of 3 : UCIP_FA_2019_55305_83347.jpg



View of crown at crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	0.48	Rating **	M	Issue No.	52 (cont)	
LM End	0.48	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.599396 °	38.599396 °	
				-121.540026 °	-121.540026 °	
DWR ID	25550					
Comment Code						
Inspector Comment						
DS_ID:25550						
FS_ID:55305						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 10/10/2019 According to FMO staff this pipe was disconnected from Sac Yard storm drainage system and grouted in place. (O.Yakimov - DWR UCIP)09/07/2018 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 6-inch vitrified clay drainage pipe through the levee, 16.1 feel below levee crown. [Additional Reference(s): USACE Sacramento O&M Manual 116, August 1955), Dwg No. 50-4-4179, page 9 of 19].						
FS Date: 10/10/2019 9:04:32 AM						

Photo 3 of 3 : UCIP_FA_2019_55305_83348.jpg



View of crown at crossing

LM Start	0.76	Rating **	M	Issue No.	30
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.601353 °	38.601353 °
				-121.536140 °	-121.536140 °
DWR ID	DWR_MA0004_01_s_2019_30				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree log from the levee easement.					

Photo 1 of 1 : FA_2019_MA0004_298_30_20190904_00021.jpg



View looking north at tree log on waterside easement. Spring 2019

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	1.18	Rating **	M	Issue No.	37
LM End	1.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.602713°	38.602838°	
			-121.528488°	-121.526053°	
DWR ID	DWR_MA0004_01_f_2019_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.72	Rating **	M	Issue No.	53
LM End	1.72	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.602040°	38.602040°	
			-121.518610°	-121.518610°	
DWR ID	261				
Comment Code					
Inspector Comment					
DS_ID:261 FS_ID:55295 EP_NO: 5528 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/10/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2-inch electrical conduit of an unknown material through the levee, 1.5 feet below the crown. Electrical conduit supplies power to an existing pumping plant located on the waterside (WS) slope of the levee. (15-inch concrete pipe siphon authorized under Permit No. 5588, 1966 - Tomas Echandi). FS Date: 10/10/2019 2:40:56 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	1.72	Rating **	M	Issue No.	54
LM End	1.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.602040°	38.602040°
				-121.518610°	-121.518610°
DWR ID	262				
Comment Code					
Inspector Comment					
DS_ID:262 FS_ID:55296 EP_NO: 5824 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/10/2019 Crossing not found. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with not found pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 8-inch welded steel, dipped and wrapped, discharge pipe, 8.2 feet below the crown. This pipe is a replacement for an existing 8-inch pipe. The new pipe was installed between the existing pumping plant located on the waterside (WS) berm of the levee and the existing reinforced concrete discharge box located at the landside (LS) toe, a distance of 88.5 feet. (Replaced an existing 8-inch welded steel pipe discharge line on an existing pumping plant authorized under Permit No. 5824, 1967 - G. W. Williams Company). [Additional Reference(s): USACE Sacramento O&M Manual 116, August 1955, (RM 60.85)]. FS Date: 10/10/2019 2:43:26 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.01	Rating **	M	Issue No.	55
LM End	2.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.599960 °	38.599960 °
				-121.514070 °	-121.514070 °
DWR ID	274				
Comment Code					
Inspector Comment					
DS_ID:274 FS_ID:55297 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/10/2019 Crossing not found. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with not found pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, at an unknown depth. [Additional Reference(s): USACE Sacramento O&M Manual 116, August 1955, (RM 60.55)]. FS Date: 10/10/2019 3:15:23 PM					

No Photos

LM Start	2.02	Rating **	M	Issue No.	38
LM End	2.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.599922 °	38.599543 °
				-121.514067 °	-121.513742 °
DWR ID	DWR_MA0004_01_f_2019_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.02	Rating **	M	Issue No.	14
LM End	2.21	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.599813 °	38.597533 °
				-121.513978 °	-121.513134 °
DWR ID	DWR_MA0004_01_s_2017_14				
Comment Code					
FE : Fence					
Inspector Comment					
A fence runs along the toe of the landside levee.					

Photo 1 of 1 : FA_2019_MA0004_298_14_20190904_00007.jpg



View of the fence running along the toe of the landward side of the levee looking downstream. Fall 2015.

LM Start	2.13	Rating **	A/W	Issue No.	18
LM End	2.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.598478 °	38.598478 °
				-121.512932 °	-121.512932 °
DWR ID	DWR_MA0004_01_f_2015_18				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill four animal holes.					

Photo 1 of 1 : FA_2019_MA0004_298_18_20190904_00011.jpg



View of animal holes on the WS slope. Fall 2016.

LM Start	2.14	Rating **	M	Issue No.	39
LM End	2.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.598350°	38.598350°
				-121.512822°	-121.512822°
DWR ID	DWR_MA0004_01_f_2019_39				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree limb from the levee slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

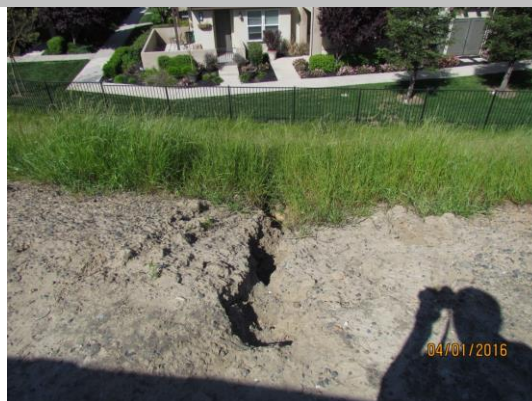
Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.18	Rating **	M	Issue No.	13
LM End	2.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.597932 °	38.597932 °
				-121.512887 °	-121.512887 °
DWR ID	DWR_MA0004_01_s_2015_13				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

LM Start	2.18	Rating **	M	Issue No.	13 (cont)
LM End	2.18	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2019_MA0004_298_13_20190904_00005.jpg



Runoff erosion is on the shoulder of the landward side. Spring 2016.

Photo 2 of 2 : FA_2019_MA0004_298_13_20190904_00006.jpg



Perspective view of the runoff erosion on the landward side of the levee looking downstream. Spring 2016.

LM Start	2.24	Rating **	M	Issue No.	40
LM End	2.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.597000 °	38.597000 °
				-121.513277 °	-121.513277 °
DWR ID	DWR_MA0004_01_f_2019_40				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.27	Rating **	M	Issue No.	41
LM End	2.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.596673 °	38.595833 °	
			-121.513173 °	-121.512813 °	
DWR ID	DWR_MA0004_01_f_2019_41				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.41	Rating **	M	Issue No.	56
LM End	2.41	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.594680 °	38.594680 °	
			-121.512310 °	-121.512310 °	
DWR ID	264				
Comment Code					
Inspector Comment					
DS_ID:264 FS_ID:55298 EP_NO: 4561 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/10/2019 Crossing not found. Need to contact owner to determine status of crossing. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2-inch welded, wrapped steel high-pressure natural gas main through the levee, 2.5 feet below the crown. (2-inch welded, wrapped steel high-pressure natural gas main authorized under Permit No. 4561, 1964 - Pacific Gas and Electric Company [PG&E]). FS Date: 10/10/2019 3:28:48 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.59	Rating **	M	Issue No.	57
LM End	2.59	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.592220 °	38.592220 °
				-121.511750 °	-121.511750 °
DWR ID	254				
Comment Code					
Inspector Comment					
DS_ID:254 FS_ID:55299 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/10/2019 Crossing not found. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with not found pipe. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 48-inch corrugated metal drainage pipe through the levee, 24.2 feet below the crown. Pipe has been grouted. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/10/2019 3:31:13 PM					

No Photos

LM Start	2.63	Rating **	M	Issue No.	20
LM End	2.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.591532 °	38.591532 °
				-121.511646 °	-121.511646 °
DWR ID	DWR_MA0004_01_f_2016_20				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill the rodent hole.					

Photo 1 of 1 : FA_2019_MA0004_298_20_20190904_00012.jpg



Large diameter animal burrows on LS slope. Fall 2016.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.65	Rating **	A/W	Issue No.	22
LM End	2.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.591380 °	38.591380 °
				-121.511345 °	-121.511345 °
DWR ID	DWR_MA0004_01_f_2015_22				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_MA0004_298_22_20190904_00014.jpg



View looking upstream of the depression on the landward side of the levee due to foot traffic. Fall 2015.

LM Start	2.67	Rating **	M	Issue No.	21
LM End	2.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.591228 °	38.591080 °
				-121.511130 °	-121.510994 °
DWR ID	DWR_MA0004_01_f_2016_21				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2019_MA0004_298_21_20190904_00013.jpg



View of small trees that block visibility of LS slope. Fall 2016.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.69	Rating **	M	Issue No.	58	
LM End	2.69	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.590910 °	38.590910 °	
				-121.510830 °	-121.510830 °	
DWR ID	19405					
Comment Code						
Inspector Comment						
DS_ID:19405						
FS_ID:55300						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 10/10/2019 A public restroom on WS and a manhole located on road shoulder may be associated with this crossing.						
(O.Yakimov - DWR UCIP)Found during the field survey, not listed in the desk study.						
FIELD_STRUCT_DESC: 6-inch steel sewer line from the public facility of the boat launching area. No other details available.						
FS Date: 10/10/2019 3:32:36 PM						

Photo 1 of 3 : UCIP_FA_2019_55300_81531.jpg



Manhole on the road shoulder on LS

LM Start	2.69	Rating **	M	Issue No.	58 (cont)
LM End	2.69	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55300_81532.jpg



Public restroom on WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.69	Rating **	M	Issue No.	58 (cont)	
LM End	2.69	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.590910 °	38.590910 °	
				-121.510830 °	-121.510830 °	
DWR ID	19405					
Comment Code						
Inspector Comment						
DS_ID:19405 FS_ID:55300 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2019 A public restroom on WS and a manhole located on road shoulder may be associated with this crossing. (O.Yakimov - DWR UCIP)Found during the field survey, not listed in the desk study. FIELD_STRUCT_DESC: 6-inch steel sewer line from the public facility of the boat launching area. No other details available. FS Date: 10/10/2019 3:32:36 PM						

Photo 3 of 3 : UCIP_FA_2019_55300_83349.jpg



Older photo of a manhole on the road shoulder on LS

LM Start	2.70	Rating **	A/W	Issue No.	17
LM End	2.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.590802 °	38.590802 °
				-121.510736 °	-121.510736 °
DWR ID	DWR_MA0004_01_f_2018_17				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Monitor slope damage from vehicular traffic bypassing gate. Consider placement of a barrier.					

Photo 1 of 1 : FA_2019_MA0004_298_17_20190904_00010.jpg



View of slope damage from vehicular traffic bypassing gate. Fall 2018

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.71	Rating **	M	Issue No.	44
LM End	2.71	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.590780 °	38.590780 °
				-121.510645 °	-121.510645 °
DWR ID	DWR_MA0004_01_s_2019_44				
Comment Code					
Inspector Comment					
Add a lock to the gate.					

No Photos

LM Start	2.78	Rating **	U	Issue No.	59	
LM End	2.78	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.590100 °	38.590100 °	
				-121.509693 °	-121.509693 °	
DWR ID	265					
Comment Code						
Inspector Comment						
DS_ID:265 FS_ID:55310 EP_NO: 14527 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 10/10/2019 No maintenance records available for this crossing. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 12-inch coated steel petroleum pipeline, 3 feet below the crown. Gas/petroleum line markers found on both sides of the levee. (12.75-inch welded steel pipeline authorized under Permit No. 14527, 1987 - Southern Pacific Pipe Lines, Inc.). FS Date: 10/10/2019 10:44:29 AM						

Photo 1 of 3 : UCIP_FA_2019_55310_81562.jpg



View of levee crown at crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.78	Rating **	U	Issue No.	59 (cont)	
LM End	2.78	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.590100 °	38.590100 °	
				-121.509693 °	-121.509693 °	
DWR ID	265					
Comment Code						
Inspector Comment						
DS_ID:265 FS_ID:55310 EP_NO: 14527 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 10/10/2019 No maintenance records available for this crossing. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 12-inch coated steel petroleum pipeline, 3 feet below the crown. Gas/petroleum line markers found on both sides of the levee. (12.75-inch welded steel pipeline authorized under Permit No. 14527, 1987 - Southern Pacific Pipe Lines, Inc.). FS Date: 10/10/2019 10:44:29 AM						

Photo 2 of 3 : UCIP_FA_2019_55310_81564.jpg



Petroleum line marker on WS

LM Start	2.78	Rating **	U	Issue No.	59 (cont)
LM End	2.78	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_55310_81565.jpg



Petroleum line marker and ramp on LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.78	Rating **	M	Issue No.	60
LM End	2.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.590111 °	38.590111 °
				-121.509695 °	-121.509695 °
DWR ID	19406				
Comment Code					
Inspector Comment					
DS_ID:19406 FS_ID:55311 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2019 Missing permit for this crossing. (O.Yakimov - DWR UCIP)Found during field survey. Not listed in the desk study. FIELD_STRUCT_DESC: 1 of 2: 3-inch wrapped galvanized iron (GI) water pipe through the levee, at an unknown depth. Pipe daylights in a metal cage box. Valve box for the pipe is also found. FS Date: 10/10/2019 11:45:35 AM					

LM Start	2.78	Rating **	M	Issue No.	60 (cont)
LM End	2.78	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_55311_81566.jpg



Waterside view: a control valve box with a metal lid

Photo 2 of 3 : UCIP_FA_2019_55311_81567.jpg



Waterside view: pipe daylights in a metal cage

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.78	Rating **	M	Issue No.	60 (cont)	
LM End	2.78	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.590111 °	38.590111 °	
				-121.509695 °	-121.509695 °	
DWR ID	19406					
Comment Code						
Inspector Comment						
DS_ID:19406 FS_ID:55311 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2019 Missing permit for this crossing. (O.Yakimov - DWR UCIP)Found during field survey. Not listed in the desk study. FIELD_STRUCT_DESC: 1 of 2: 3-inch wrapped galvanized iron (GI) water pipe through the levee, at an unknown depth. Pipe daylights in a metal cage box. Valve box for the pipe is also found. FS Date: 10/10/2019 11:45:35 AM						

Photo 3 of 3 : UCIP_FA_2019_55311_81568.jpg



View of landside at the crossing

LM Start	2.78	Rating **	M	Issue No.	61
LM End	2.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.590105 °	38.590105 °
				-121.509687 °	-121.509687 °
DWR ID	19407				
Comment Code					
Inspector Comment					
DS_ID:19407 FS_ID:55312 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2019 Missing permit for this crossing. (O.Yakimov - DWR UCIP) Found during field survey, not listed in the desk study. FIELD_STRUCT_DESC: 2 of 2: 5-inch wrapped galvanized iron (GI) water pipe through the levee, at an unknown depth. Pipe daylights in a metal cage box. Valve box for the pipe is also found. FS Date: 10/10/2019 11:57:04 AM					

Photo 1 of 3 : UCIP_FA_2019_55312_81569.jpg



Levee crown at the crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.78	Rating **	M	Issue No.	61 (cont)	
LM End	2.78	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.590105 °	38.590105 °	
				-121.509687 °	-121.509687 °	
DWR ID	19407					
Comment Code						
Inspector Comment						
DS_ID:19407						
FS_ID:55312						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 10/10/2019 Missing permit for this crossing.						
(O.Yakimov - DWR UCIP)						
Found during field survey, not listed in the desk study.						
FIELD_STRUCT_DESC: 2 of 2: 5-inch wrapped galvanized iron (GI)						
water pipe through the levee, at an unknown depth. Pipe daylights in a						
metal cage box. Valve box for the pipe is also found.						
FS Date: 10/10/2019 11:57:04 AM						

LM Start	2.78	Rating **	M	Issue No.	61 (cont)
LM End	2.78	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55312_81570.jpg



Waterside view: a control valve box with a metal lid

Photo 3 of 3 : UCIP_FA_2019_55312_81571.jpg



Waterside view: pipe daylights in a metal cage

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.81	Rating **	M	Issue No.	25
LM End	2.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.589834 °	38.589834 °
				-121.509110 °	-121.509110 °
DWR ID	DWR_MA0004_01_f_2019_25				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage from vehicular traffic.					

Photo 1 of 1 : FA_2019_MA0004_298_25_20190904_00017.jpg



View of slope damage from vehicular traffic. Fall 2018

LM Start	2.91	Rating **	A/W	Issue No.	24
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.588937 °	38.588937 °
				-121.507920 °	-121.507920 °
DWR ID	DWR_MA0004_01_s_2018_24				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor footpath on the waterside slope. The LMA added river rock to stabilize the slope.					

Photo 1 of 1 : FA_2019_MA0004_298_24_20190904_00016.jpg



View looking downstream at the slope stability issue due to foot traffic on the waterward side of the levee . Fall 2015.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.91	Rating **	M	Issue No.	62	
LM End	2.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.588920 °	38.588920 °	
				-121.507920 °	-121.507920 °	
DWR ID	18884					
Comment Code						
Inspector Comment						
DS_ID:18884 FS_ID:55313 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/10/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 1 of 4: 3-inch pipe of an unknown material or purpose through the levee, 18.6 feet below the crown. Unable to locate. Pipe exposed and extends 10 feet from the bank and 5 feet above current water surface. Needs to be removed or grouted. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 116, August 1955, (RM 59.65)]. FS Date: 10/10/2019 1:01:27 PM						

No Photos

LM Start	2.92	Rating **	U	Issue No.	23
LM End	2.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.588762 °	38.588384 °
				-121.507951 °	-121.507894 °
DWR ID	DWR_MA0004_01_f_2016_23				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2019_MA0004_298_23_20190904_00015.jpg



View of fence on LS slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.92	Rating **	M	Issue No.	28
LM End	2.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.588740 °	38.588740 °
				-121.507894 °	-121.507894 °
DWR ID	DWR_MA0004_01_f_2018_28				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage/caving due to foot traffic.					

Photo 1 of 1 : FA_2019_MA0004_298_28_20190904_00020.jpg



View of slope damage from foot traffic. Fall 2018

LM Start	2.93	Rating **	M	Issue No.	63
LM End	2.93	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.588688 °	38.588688 °
				-121.507910 °	-121.507910 °
DWR ID	18886				
Comment Code					
Inspector Comment					
DS_ID:18886 FS_ID:55314 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2019 Pipe end is visible on river's edge. Homeless people installed camping tents nearby. (O.Yakimov - DWR UCIP)Grouted 10-inch pipe on water side of the levee. FIELD_STRUCT_DESC: *ABANDONED* 4 of 4: 10-inch pipe of an unknown material or purpose through the levee, 18.6 feet below the crown. Unable to locate. Pipe exposed and extends 10 feet from the bank and 5 feet above current water surface. Needs to be removed or grouted. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 116, August 1955, (RM 59.65)]. FS Date: 10/10/2019 1:17:20 PM					

Photo 1 of 3 : UCIP_FA_2019_55314_81572.jpg



View of levee crown at crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.93	Rating **	M	Issue No.	63 (cont)	
LM End	2.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.588688 °	38.588688 °	
				-121.507910 °	-121.507910 °	
DWR ID	18886					
Comment Code						
Inspector Comment						
DS_ID:18886 FS_ID:55314 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2019 Pipe end is visible on river's edge. Homeless people installed camping tents nearby. (O.Yakimov - DWR UCIP)Grouted 10-inch pipe on water side of the levee. FIELD_STRUCT_DESC: *ABANDONED* 4 of 4: 10-inch pipe of an unknown material or purpose through the levee, 18.6 feet below the crown. Unable to locate. Pipe exposed and extends 10 feet from the bank and 5 feet above current water surface. Needs to be removed or grouted. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 116, August 1955, (RM 59.65)]. FS Date: 10/10/2019 1:17:20 PM						

Photo 2 of 3 : UCIP_FA_2019_55314_81574.jpg



Land side view- inside water tower area

LM Start	2.93	Rating **	M	Issue No.	63 (cont)
LM End	2.93	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_55314_81575.jpg



Water side view: abandoned and grouted 10-inch pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.93	Rating **	M	Issue No.	64	
LM End	2.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.588688 °	38.588688 °	
				-121.507910 °	-121.507910 °	
DWR ID	18883					
Comment Code						
Inspector Comment						
DS_ID:18883 FS_ID:55315 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2019 Abandoned pipe, no permit available. (DWR - UCIP O.Yakimov)Abandoned 7-inch pipe found. Needs to be abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 2 of 4: 7-inch pipe of an unknown material or purpose through the levee, 18.6 feet below the crown. Unable to locate. Pipe exposed and extends 10 feet from the bank and 5 feet above current water surface. Needs to be removed or grouted. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 116, August 1955, (RM 59.65)]. FS Date: 10/10/2019 1:49:06 PM						

Photo 1 of 3 : UCIP_FA_2019_55315_81576.jpg



Land side view: water tower area

LM Start	2.93	Rating **	M	Issue No.	64 (cont)
LM End	2.93	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55315_81577.jpg



Overview of waterside at pipe crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.93	Rating **	M	Issue No.	64 (cont)	
LM End	2.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.588688 °		38.588688 °
				-121.507910 °		-121.507910 °
DWR ID	18883					
Comment Code						
Inspector Comment						
DS_ID:18883 FS_ID:55315 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2019 Abandoned pipe, no permit available. (DWR - UCIP O.Yakimov)Abandoned 7-inch pipe found. Needs to be abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 2 of 4: 7-inch pipe of an unknown material or purpose through the levee, 18.6 feet below the crown. Unable to locate. Pipe exposed and extends 10 feet from the bank and 5 feet above current water surface. Needs to be removed or grouted. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 116, August 1955, (RM 59.65)]. FS Date: 10/10/2019 1:49:06 PM						

Photo 3 of 3 : UCIP_FA_2019_55315_9770.jpg



Land side view- abandoned pipes inside the tower area

LM Start	2.93	Rating **	M	Issue No.	65	
LM End	2.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.588688 °		38.588688 °
				-121.507910 °		-121.507910 °
DWR ID	18885					
Comment Code						
Inspector Comment						
DS_ID:18885 FS_ID:55316 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2019 Abandoned pipe, no permit available. (DWR - UCIP O.Yakimov) FIELD_STRUCT_DESC: *ABANDONED* 3 of 4: 7-inch pipe of an unknown material or purpose through the levee, 18.6 feet below the crown. Unable to locate. Pipe exposed and extends 10 feet from the bank and 5 feet above current water surface. Needs to be removed or grouted. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 116, August 1955, (RM 59.65)]. FS Date: 10/10/2019 2:12:14 PM						

Photo 1 of 3 : UCIP_FA_2019_55316_81578.jpg



Land side view: water tower area

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.93	Rating **	M	Issue No.	65 (cont)	
LM End	2.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.588688 °	38.588688 °	
				-121.507910 °	-121.507910 °	
DWR ID	18885					
Comment Code						
Inspector Comment						
DS_ID:18885 FS_ID:55316 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/10/2019 Abandoned pipe, no permit available. (DWR - UCIP O.Yakimov) FIELD_STRUCT_DESC: *ABANDONED* 3 of 4: 7-inch pipe of an unknown material or purpose through the levee, 18.6 feet below the crown. Unable to locate. Pipe exposed and extends 10 feet from the bank and 5 feet above current water surface. Needs to be removed or grouted. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 116, August 1955, (RM 59.65)]. FS Date: 10/10/2019 2:12:14 PM						

Photo 2 of 3 : UCIP_FA_2019_55316_81579.jpg



Overview of waterside at pipe crossing

LM Start	2.93	Rating **	M	Issue No.	65 (cont)
LM End	2.93	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_55316_81580.jpg



View inside of water tower area

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.95	Rating **	M	Issue No.	42							
LM End	2.95	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.588333 °	38.588333 °								
			-121.507870 °	-121.507870 °								
DWR ID	DWR_MA0004_01_f_2019_42											
Comment Code												
TR : Tree or limb												
Inspector Comment												
Remove large tree debris from waterside toe.												

No Photos

LM Start	2.99	Rating **	M	Issue No.	66							
LM End	2.99	Issue Type +	En	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP Field Study		38.587760 °	38.587760 °								
			-121.507930 °	-121.507930 °								
DWR ID	266											
Comment Code												
Inspector Comment												
DS_ID:266 FS_ID:55317 EP_NO: 16702 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/10/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 4.5-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 2 feet below the crown. Public facilities and four stairways on the levee slope. Observation/fishing dock on the waterside (WS) of the levee. (4-inch irrigation pipe and 1-inch potable water main line authorized under Permit No. 16702, 1997 - City of West Sacramento). FS Date: 10/10/2019 2:36:29 PM												

Photo 1 of 3 : UCIP_FA_2019_55317_81581.jpg



View of levee crown at possible crossing

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	2.99	Rating **	M	Issue No.	66 (cont)	
LM End	2.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.587760 °	38.587760 °	
				-121.507930 °	-121.507930 °	
DWR ID	266					
Comment Code						
Inspector Comment						
DS_ID:266 FS_ID:55317 EP_NO: 16702 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/10/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 4.5-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 2 feet below the crown. Public facilities and four stairways on the levee slope. Observation/fishing dock on the waterside (WS) of the levee. (4-inch irrigation pipe and 1-inch potable water main line authorized under Permit No. 16702, 1997 - City of West Sacramento). FS Date: 10/10/2019 2:36:29 PM						

LM Start	2.99	Rating **	M	Issue No.	66 (cont)
LM End	2.99	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55317_81582.jpg



Riverbank near possible crossing

Photo 3 of 3 : UCIP_FA_2019_55317_81583.jpg



View of WS slope at possible crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

Photo 2 of 2 : FA_2019_MA0004_298_43_20191021_00045.jpg



View of slope damage on the landside slope. Fall 2019

Photo 1 of 1 : FA_2019_MA0004_298_45_20191021_00046.jpg



View of slope damage due to vehicle traffic. Fall 2019

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	N/A : Not Applicable A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	3.08	Rating **	A/W	Issue No.	12
LM End	3.45	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.586434 °	38.581349 °
				-121.508090 °	-121.509547 °
DWR ID	DWR_MA0004_01_s_2012_12				
Comment Code					
V6 : Landscaping					
Inspector Comment					
West Sacramento's River Walk runs from Tower Bridge to the I Street bridge.					

LM Start	3.08	Rating **	A/W	Issue No.	12 (cont)
LM End	3.45	Issue Type +	En	Location *	WS

Photo 1 of 2 : FA_2019_MA0004_298_12_20190904_00003.jpg



The Riverwalk is part of the landscape on the levee. Fall 2015.

Photo 2 of 2 : FA_2019_MA0004_298_12_20190904_00004.jpg



Landscaping and buildings are on the crown and waterward side of the levee. Fall 2015.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

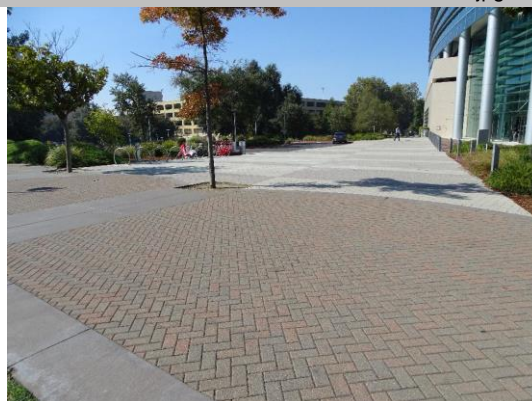
Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	3.20	Rating **	M	Issue No.	67	
LM End	3.20	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.584860 °	38.584860 °	
				-121.508500 °	-121.508500 °	
DWR ID	268					
Comment Code						
Inspector Comment						
DS_ID:268						
FS_ID:55346						
EP_NO: 17058						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 10/10/2019 Crossing not found (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: Three 2-inch and two 1.5-inch fiber optics conduits of an unknown material across and bored under the Sacramento River and its west levee. Note in permit indicates this was not installed.						
FS Date: 10/10/2019 1:36:42 PM						

Photo 1 of 1 : UCIP_FA_2019_55346_81587.jpg



Paved levee crown at possible crossing

LM Start	3.24	Rating **	M	Issue No.	27
LM End	3.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.584168 °	38.583435 °
				-121.508632 °	-121.508785 °
DWR ID	DWR_MA0004_01_f_2015_27				
Comment Code					
FE : Fence					
Inspector Comment					
The fence on the levee shoulder appears to be unauthorized.					

Photo 1 of 2 : FA_2019_MA0004_298_27_20190904_00018.jpg



View looking downstream at the fence on the crown of the levee . Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	3.24	Rating **	M	Issue No.	27 (cont)	
LM End	3.29	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.584168 °	38.583435 °	
				-121.508632 °	-121.508785 °	
DWR ID	DWR_MA0004_01_f_2015_27					
Comment Code						
FE : Fence						
Inspector Comment						
The fence on the levee shoulder appears to be unauthorized.						

Photo 2 of 2 : FA_2019_MA0004_298_27_20190904_00019.jpg



View looking downstream at the inside of the fence. Fall 2015.

LM Start	3.42	Rating **	M	Issue No.	68
LM End	3.42	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.581697 °	38.581697 °
				-121.509358 °	-121.509358 °
DWR ID	271				
Comment Code					
Inspector Comment					
DS_ID:271 FS_ID:55349 EP_NO: 16702 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/10/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 4.5-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 2 feet below the crown. Public facilities and four stairways on the levee slope. Observation/fishing dock on the waterside (WS). (4-inch irrigation pipe and 1-inch potable water main line authorized under Permit No. 16702, 1997 - City of West Sacramento). FS Date: 10/10/2019 1:54:14 PM					

Photo 1 of 2 : UCIP_FA_2019_55349_81591.jpg



View of LS at potential crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/10/2019 10/10/2019	Luz Dial

LM Start	3.42	Rating **	M	Issue No.	68 (cont)	
LM End	3.42	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.581697 °	38.581697 °	
				-121.509358 °	-121.509358 °	
DWR ID	271					
Comment Code						
Inspector Comment						
DS_ID:271 FS_ID:55349 EP_NO: 16702 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/10/2019 Crossing not found (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 4.5-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 2 feet below the crown. Public facilities and four stairways on the levee slope. Observation/fishing dock on the waterside (WS). (4-inch irrigation pipe and 1-inch potable water main line authorized under Permit No. 16702, 1997 - City of West Sacramento). FS Date: 10/10/2019 1:54:14 PM						

Photo 2 of 2 : UCIP_FA_2019_55349_81592.jpg



View of WS slope at potential crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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